









Commercial Inverters Comparison 2024

Manufacturer	Model	AC-Power	MPPT	Strings per MPPT	SPD-AC- DC	Weight (kg)	VDE-Certification		Communication	NS Protection	Connection to Radio ripple control receiver (RRCR)	Advantages	
							4105	4110					
	Verto	25 - 33.3 kVA	4	2	AC and DC SPD type 1 and 2	44.75 kg	✓	in Q4 2024	RS485, Ethernet, WiFi	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	With AFCI function and integrated shading management "Dynamic Peak Manager"	
	Eco 25.0-3-S – 27.0-3-S	25 – 27 kVA	1	6	DC SPD type 1 and 2 and DC SPD type 2 optional	35.7 kg						Integrated data logger and web-server, Snap inverter mounting system	
	Tauro	50 kVA	3	4 / 3 / 7	AC and DC SPD type 1 and 2	92 kg	✓	✓	RS485, Ethernet, WiFi, USB	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	Available in direct and pre-combined versions for centralised or decentralised systems. A 20A string fuse is built into the direct version. Can be mounted flat on the floor	
	Tauro ECO	50 kVA 100 kVA	1	14 22		74 – 103 kg							
	ET-Series (Hybrid)	25 – 29.9 kVA	3	2	DC SPD type 2	54 kg			RS485, WiFi, Ethernet, CAN	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	Hybrid inverter with integrated switching device for backup power, under 30 kVA, no central NS protection required	
	SMT-Series	25 – 36 kVA 50 – 60 kVA		2	2	AC and DC SPD type 2	40 kg 55 kg	✓	-		RS485, WiFi	Via data logger	Integration into the SEMS portal, high temperature stability: full load up to 50 °C ambient temperature
	MT-Series	60 kVA 80 kVA	4	3 4	59 – 70 kg		✓	✓					
	HT-Series	100 – 120 kVA 250 kVA	10 – 12	2	93.5 – 98.5 kg 111 kg		✓	✓					
									RS485, Bluetooth	(External box)			
	Piko CI 30 – 60	30 kVA 50 kVA 60 kVA	2 4	Total 6 Total 10 Total 12	AC and DC SPD type 2	40 – 75 kg	✓	✓	RS485, WiFi, Ethernet	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	Commissioning via KOSTAL PIKO CI App	
		Sunny Tripower X	25 kVA	3	1 or 2 (optional) for external generator-connection-boxes	DC SPD type 2 and type 1 and 2 optional	35 kg			Ethernet, WiFi	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	Direct distribution via SMA SPOT convertible without Data Manager M
		Sunny Tripower CORE1	50 kVA	6		2	AC and DC SPD type 2 and type 1 and 2 optional	84 kg	✓		✓	Integrated coupling switch (relay) controllable via external grid monitor; I/O interface required	Via I/O interface or SMA data manager
Sunny Tripower CORE2	110 kVA	12		AC SPD type 2 and DC SPD type 1 and 2		93.5 kg				Integrated coupling switch controllable via external grid monitor	Via SMA data manager	Integrated arc fault circuit interrupter (AFCI)	
	SE 25K	25 kVA	-	-	DC SPD type 2	48 kg			Ethernet, RS485, WiFi	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter, plug connector required as an accessory	Commissioning via Solaredge Set App, integrated AFCI (arc detection) functionality	
	SE 30K – SE 33.3 K	29.9 – 33.3 kVA				36.5 kg	✓	✓					
	SE 66.6K – 100K	66.6 – 100 kVA				Synergy unit: 32 kg / Synergy manager: 18 kg			RS485, Ethernet				Pre-commissioning function (DC side) possible without AC connection, AFCI
	SH25T	25 kVA	3	2/2/1	AC type 2 and DC SPD type 1 and 2	40 kg	✓	-	RS485, WiFi, Ethernet, CAN	Integrated coupling switch controllable via external grid monitor	Inputs for RRCR on inverter	External connection terminals: no need to open the inverter	
	SG33CX Premium	33 kVA	3	2	AC type 2 DC SPD type 1 and 2	50 kg			RS485, WiFi (optional), Ethernet (optional)		Via data logger, like Solar-Log, meteocontrol Sungrow COM100E	Commissioning via app	
	SG33CX-P2	33 kVA	3		38 kg	AC type 2 and DC SPD type 1 and 2	40 kg	✓			Inputs for RRCR on inverter		
	SG40CX-P2	40 kVA	4		40 kg								
	SG50CX-P2	50 kVA	4		41 kg								
	SG125CX-P2	125 kVA	12		87 kg		✓						
	SG125HX		6		75 kg			RS485, WiFi, Ethernet, PLC	Via data logger, like Solar-Log, meteocontrol Sungrow COM100E	Integrated arc fault circuit interrupter (AFCI), Commissioning via app			
	SG250HX	250 kVA (at 30°C), 200 kVA (at 50°C)	12		95 kg			RS485, WiFi					
SG350HX	352 kVA (at 30°C), 295 kVA (at 50°C)	12 or 16	116 kg										

Commercial inverters at Memodo: from 25 kW
 25 kW – 120 kW AC power with low-voltage grid connection
 Larger inverters with mit low-voltage connection
 Solar edge MPPT: Solar edge power optimiser on each module for optimum MPP range
 Solar-Log or meteocontrol components can be used as direct distribution interfaces
 For SMA, the Data Manager can also be used as an alternative
 All commercial inverters are IP65 or IP66 rated

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